

Box Patent Application
Commissioner of Patents
and Trademarks
Washington, DC 20231

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of

Inventor(s): Burns et al.

WARNING: Patent must be applied for in the name(s) of all of the actual inventor(s). 37 CFR 1.41(a) and 1.53(b).

For (title): A Producer/Consumer Locking System for Efficient Replication of File Data

1. Type of Application

This new application is for a(n) (check one applicable item below):

☒ Utility

☐ Design

☐ Plant

NOTE: If one of the following 3 items apply then complete and attach ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF A PRIOR U.S. APPLICATION CLAIMED and a NOTIFICATION IN PARENT APPLICATION OF THE FILING OF THIS CONTINUATION APPLICATION.

☐ Divisional

☐ Continuation

☐ Continuation-in-part (CIP)

2. Benefit of Prior U.S. Application(s) (35 USC 120)

NOTE: If the new application being transmitted is a divisional, continuation or a continuation-in-part of a parent case, or where the parent case is an International Application which designated the U.S., then check the following item and complete and attach ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

☐ The new application being transmitted claims the benefit of prior U.S. application(s) and enclosed are ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

3. Papers Enclosed Which Are Required For Filing Date Under 37 CFR 1.53(b) (Regular) or 37 CFR 1.153 (Design) Application

26 Pages of Specification and Abstract

26 Pages of Claims

jc997 U.S. PTO
09/849307
05/07/01

2 Sheets of drawing(s)

 Formal

X Informal

NOTE: "Identifying indicia such as the serial number, group and unit, title of the invention, attorney's docket number, inventor's name, number of sheets, etc., not to exceed 2 3/4 inches (7.0cm in width may be placed in a centered location between the side edges within three fourths inch (19.1mm) of the top edge. Either this marking technique on the front of the drawing or the placement, although not preferred, of this information and the title of the invention on the back of the drawings is acceptable." Proposed 37 CFR 1.84(1). Notice of March 9, 1988 (1090 O.G. 57-62).

4. Additional Papers Enclosed

 Preliminary Amendment

 Information Disclosure Statement (37 CFR 1.98)

 Form PTO-1449

 Citations

 Declaration of Biological Deposit

 Submission of "Sequence Listing," computer readable copy and/or amendment pertaining thereto for biotechnology invention containing nucleotide and/or amino acid sequence.

 Authorization of Attorney(s) to Accept and Follow Instructions from Representative

 Special Comments

 Other

5. Declaration or Oath

X Enclosed
executed by (check all applicable boxes)

X inventor(s).

 legal representative of inventor(s). 37 CFR 1.42 or 1.43

 joint inventor or person showing a proprietary interest on behalf of inventor who refused to sign or cannot be reached.

 this is the petition required by 37 CFR 1.47 and the statement required by 37 CFR 1.47 is also attached. See Item 13 below for fee.

☐ Not Enclosed

☐ Application is made by a person authorized under 37 CFR 1.41(c) on behalf of all the above named inventor(s). (The declaration or oath, along with the surcharge required by 37 CFR 1.16(e) can be filed subsequently).

NOTE: It is important that all the correct inventor(s) are named for filing under 37 CFR 1.41(c) and 1.53(b).

☐ Showing that the filing is authorized. (Not required unless called into question. 37 CFR 1.41(d).

6. Inventorship Statement

WARNING: If the named inventors are each not the inventors of all the claims an explanation, including the ownership of the various claims at the time the **last** claimed invention was made, should be submitted.

The Inventorship for all the claims in this application are:

☒ the same

or

☐ are not the same. An explanation, including the ownership of the various claims at the time the last claimed invention was made.

☐ is submitted

☐ will be submitted

7. Language

☒ English

☐ non-English

☐ The attached translation is a verified translation. 37 CFR 1.52(d).

8. Assignment

☒ An assignment of the invention to INTERNATIONAL BUSINESS MACHINES CORPORATION

☒ is attached. A separate

☒ "COVER SHEET FOR ASSIGNMENT (DOCUMENT) ACCOMPANYING NEW PATENT APPLICATION" or

☐ FORM PTO 1595 is also attached.

☐ will follow.

NOTE: "If an assignment is submitted with a new application, send two separate letters-one for the application and one for the assignment." Notice of May 4, 1990 (1114 O.G. 77-78).

9. Certified Copy (35 USC 119)

Certified copy(ies) of application(s):

(country)	(appln. no.)	(filed)
(country)	(appln. no.)	(filed)

from which priority is claimed

___ is/are attached.

___ will follow.

10. Fee Calculation (37 CFR 1.16)A. X Regular application

CLAIMS AS FILED						
Number filed			Num. Extra		Rate	Basic Fee \$710.00
Total Claims	68	-20=	48	X	\$18.00	\$864.00
Independent Claims	5	-3=	2	X	\$80.00	\$160.00
Multiple dependent claim(s), if any				X	\$270.00	\$0.00

___ Amendment canceling extra claims enclosed.

___ Amendment deleting multiple dependencies enclosed.

___ Fee for extra claims is not being paid at this time.

NOTE: If the fees for extra claims are not paid on filing, they must be paid or the claims cancelled by amendment, prior to the expiration of the time period set for response by the Patent and Trademark Office in any notice of fee deficiency. 37 CFR 1.16(d).

Filing Fee Calculation

\$ 1,734.00

B. ___ **Design application**
(\$320.00--37 CFR 1.16(f))

Filing Fee Calculation

\$ _____

C. ___ **Plant application**
(\$490.00--37 CFR 1.16(g))

Filing Fee Calculation

\$ _____

11. Small Entity Statement(s)

___ Applicant claims small entity status.

Filing Fee Calculation (50% of A, B or C above) \$ _____

12. Request for International-Type Search (complete, if applicable)

___ Please prepare an international-type search report for this application at the time when national examination on the merits takes place.

13. Fee Payment Being Made At This Time

___ Not Enclosed

___ No filing fee is to be paid at this time. (This and the surcharge required by 37 CFR 1.16(e) can be paid subsequently.)

X Enclosed

X basic filing fee \$ 1,734.00

X recording assignment
(\$40.00; 37 CFR 1.21(h)) \$ 40.00

___ petition fee for filing by other than all the
inventors or person on behalf of the inventor
where inventor refused to sign or cannot be
reached. (\$130.00; 37 CFR 1.47 and 1.17(h)) \$ _____

___ for processing an application with a
specification in a non-English language.
(\$130.00; 37 CFR 1.52(d) and 1.17(k)) \$ _____

___ processing and retention fee
(\$130.00; 37 CFR 1.53(d) and 1.21(l)) \$ _____

___ fee for international-type search report
(\$40.00; 37 CFR 1.21(e)) \$ _____

Total fees enclosed \$ 1,774.00

14. Method of Payment of Fees

X Check in the amount of \$ 1,774.00.

___ Charge Account No. 12-0010 in the amount of \$ _____. A duplicate of this transmittal is attached.

NOTE: Fees should be itemized in such a manner that it is clear for which purpose the fees are paid.

15. Authorization to Charge Additional Fees

WARNING: If no fees are to be paid on filing, the following items should not be completed.

WARNING: Accurately count claims, especially multiple dependent claims, to avoid unexpected high charges, if extra claim charges are authorized.

X The Commissioner is hereby authorized to charge the following additional fees by this paper and during the entire pendency of this application to Account No. 12-0010 :

 37 CFR 1.16(a), (f) or (g) (filing fees)

 37 CFR 1.16(b), (c) or (d) (presentation of extra claims)

X Any deficiencies in the fees provided.

NOTE: Because additional fees for excess or multiple dependent claims not paid on filing or on later presentation must only be paid or these claims cancelled by amendment prior to the expiration of the time period set for response by the PTO in any notice of fee deficiency, it might be best not to authorize the PTO to charge additional fees, except possibly when dealing with amendments after final action.

 37 CFR 1.16(e) (surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application.)

 37 CFR 1.17 (application processing fees)

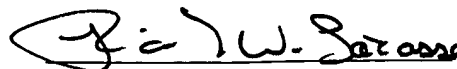
 37 CFR 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 CFR 1.311(b)).

16. Instruction As To Overpayment

X credit Account No. 12-0010

 refund

Reg. No. 34,368
Tel. No. (703) 415-1015



SIGNATURE OF APPLICANT'S REPRESENTATIVE
Randy W. Lacasse

Lacasse & Associates
2001 Jefferson Davis Hwy, Suite 806
Arlington, VA 22202

 Incorporation by reference of added pages

Check the following item if the application in this transmittal claims the benefit of prior U.S. application(s) (including an international application entering the U.S. stage as a continuation, divisional or C-I-P application) and complete and attach the ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

 Plus added pages for new application transmittal where benefit of prior U.S. application(s) claimed.

Number of pages added

 Plus added pages for papers referred to in Item 4 above

Number of pages added

 X Plus "Assignment Cover Letter Accompanying New Application"

Number of pages added 6 pages

 Statement Where No Further Pages Added